



RCS - 1584

UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

AUG - 6 2002

Donald Abelson
Chief of the International Bureau
Federal Communications Commission
445 12th Street SW
Washington, D.C. 20554

Dear Mr. Abelson:

The National Telecommunications and Information Administration, on behalf of the Executive Branch Agencies, has approved the release of an additional draft Executive Branch (NTIA) proposal for WRC-03. This proposal considers the federal agency inputs toward the development of U.S. Proposals for WRC-03.

The enclosed proposal addresses agenda item 7.2 (*Resolution 801, agenda item 2.12*). This proposal is forwarded for your consideration and review by your WRC-03 Advisory Committee. Jim Vorhies from my staff will contact Alexander Roytblat and reconcile any differences between NTIA and FCC views.

Sincerely,

Fredrick R. Wentland
Acting Associate Administrator
Office of Spectrum Management

Enclosure

United States of America

DRAFT PROPOSAL FOR THE WORK OF THE CONFERENCE

Agenda Item 7.2: to recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, taking into account Resolution 801 (WRC-2000);

Resolution 801 (WRC-2000), Agenda Item 2.12: to consider spectrum requirements for wideband aeronautical telemetry in the band between 3 GHz and 30 GHz;

Background Information: The World Radiocommunication Conference 2000 included item 2.12 in the preliminary agenda for the World Radiocommunication Conference 05/06. The 2000 Radiocommunication Assembly approved Question ITU-R 231/8, titled: *Operation of wideband aeronautical telemetry in bands above 3 GHz*. The 2000 Radiocommunication Assembly directed that Question ITU-R 231/8 studies be completed by 2005. ITU-R Circular letter CA/109 requested administrations and Sector Members to supply data on existing and planned wideband aeronautical telemetry systems operating at frequencies above 3 GHz. In this circular letter Wideband Aeronautical Telemetry is defined as: *Emerging Telemetry Systems With Large Data Transfer Requirements to Support New and Different Telemetry Capabilities (such as high resolution video and associated data for remotely-piloted aeronautical vehicles)*. It is further defined as *telemetry generally requiring a bandwidth of 20 MHz or greater*.

The wideband requirements addressed under this WRC-06 proposal are in addition to those presently operating in the existing aeronautical telemetry allocations below 3 GHz (in the 1 429-1 525 and 2 300-2 390 MHz bands.) The requirement for these allocations will continue. Rather, the allocation addressed in this proposal is for new wideband requirements.

The responses to ITU-R Circular letter CA/109 indicated that there are requirements for additional telemetry spectrum, up to 300 MHz contiguous, for wideband aeronautical telemetry. There has been a trend toward cooperation and multi-platform testing that is leading to a need for identification of additional harmonized band(s) for aeronautical telemetry. As airframe speed, missions, and technology increase there is an expanding need for new and more numerous telemetry points for real-time testing of aircraft to ensure each platform is rigorously tested and evaluated to ensure safety on these high technology platforms. Many Administrations now utilize advanced telemetry testing involving multiple platforms in complex environments that call for cooperation of more than one country. By designating a harmonized wideband aeronautical telemetry band between 3 and 30 GHz, the needs for this type of testing can be met.

Proposal:

USA/ /1

MOD

RESOLUTION 801 (WRC-2003)

Agenda for the 2005/2006 World Radiocommunication Conference

The World Radiocommunication Conference (~~Istanbul, 2000~~), (Geneva, 2003).

Reasons: Editorial

resolves to give the view

USA/ / 2

NOC

2.12 To consider spectrum requirements for wideband aeronautical telemetry in the band between 3 and 30 GHz.

Reasons: To provide an agenda item to study spectrum requirements for wideband aeronautical telemetry.
